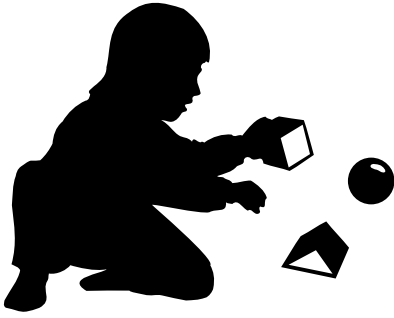
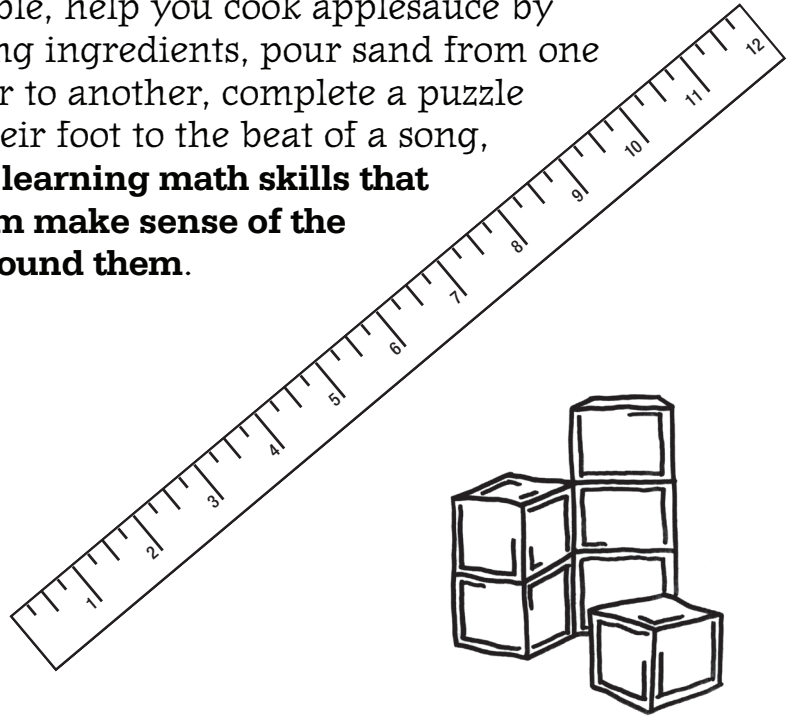


## Mathematics



When children hand out napkins to each person at the table, help you cook applesauce by measuring ingredients, pour sand from one container to another, complete a puzzle or tap their foot to the beat of a song, **they are learning math skills that help them make sense of the world around them.**



### Books Your Child Will Enjoy

**Math in the Bath** by Sara Atherlay  
**A Chair for My Mother** by Vera Williams  
**The Doorbell Rang** by Pat Hutchins  
**Zin! Zin! Zin! A Violin** by Lloyd Moss  
**One Grain of Rice** by Demi

### Rhode Island Early Learning Standards

## 5

### Counting, Matching and Sorting

There are so many games you can play that involve counting, matching, measuring and organizing. Before long your child will use their math skills to begin to solve problems.

- **Count** together as you go up and down the stairs
- **Write** numbers in the squares when you play hopscotch
- **Sort** toys by colors, sizes or shapes
- **Introduce** the names of different coins



### Sort as You Shop

Ask your child to help **sort** groceries by putting together all of the foods that are the same. Vegetables in one place, canned goods in another and fruit in another. Then, your child can **count** the number of items in each pile and then help you to put them away.

### Measure as You Cook

Ask your child to read the **numbers** that appear in recipes. "Can you see how many cups of milk I need?" Help your child count and pour the milk into the bowl. Use language like, "You poured in one cup. How many do we need to add to get two?"



### Mathematics 5.1

### RI\* Family Favorite



#### MAKING BATH TIME FUN

During bath time, encourage your child to learn math skills while having fun.

- **Count** fingers and toes. You could even try to count by fives.
- **Add** toys, plastic cups or bowls to the bath water. **Count** together with your child as you put the items into the water. Ask your child, "Which is bigger? Which is smaller?"
- **Encourage** your child to pour water into and out of containers, making them full and then making them empty. Have your child compare and decide which containers will hold more or less than the other.
- **Help** your child to notice the bath toys that sink and those that float. Use a plastic bowl that floats and add items one at a time, counting as you go. Ask your child to predict how many items it will hold before it sinks! At the end of bath time have your child remove the items one by one, counting as you go.

### Rhode Island Early Learning Standards

# 5

## Shapes, Shapes and More Shapes

Help your child get excited about recognizing, naming and creating different shapes.

Mathematics  5.2

### Finding Shapes

Your child can learn about shapes as you go about your day. **Have fun** as you discover and talk about all the shapes around you.

- ▲ Go on a “Shape Hunt” with your child, both inside and outside your home. Find objects that are circles, triangles or squares. “Can you find any rectangles in your room? How about the door, the books and the pillow?”
- Play the game, “I See Something and It Is Round.” Your child can keep guessing items that fit the description until they guess the item you have in mind. Give clues by describing what the object is next to, under or near.
- ◆ Make different shapes using dough and cookie cutters
- Find household items that can be used to trace different shapes. Use the end of an empty toilet paper roll to make circles. Use the bottom of the cereal box to make rectangles.
- ♥ Talk about the differences they see in shapes. Ask “How many sides does a rectangle, square and triangle have?”

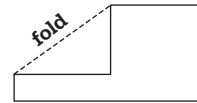
Rhode Island Early Learning Standards

### RI\* Family Favorite

#### MAKING PAPER HATS



**Step 1: Fold a newspaper sheet in half.** (They usually come that way!) To make the hat smaller, just trim the paper before you begin.



**Step 2: Fold both top corners in towards the middle evenly.** Talk about the different shapes you are creating as you fold.



**Step 3: Fold the bottom up on both sides.** Place a piece of tape where the arrows are to keep the hat together for hours of paper hat fun!

Making Paper Hats can be found on the web at [TheParentSite.com](http://TheParentSite.com)

# 5

## Naming, Grouping and Measuring

With a little help from you, your child will begin to recognize that similar objects can be grouped together into simple categories. Children also discover that objects can be compared by size, length, height and weight.

Mathematics  5.3

### RI\* Family Favorite

#### SORTING LAUNDRY

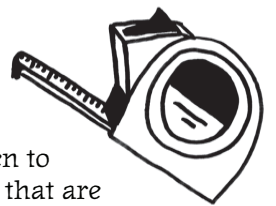
Your child can learn to sort and group objects by helping with the laundry.

- ✦ When the laundry is clean and dry, children can sort and stack the laundry by putting all the clothes together that are alike such as underwear in one pile, socks in another
- ✦ Children can sort socks by size and color. They can also sort by “owner.” “My shirts on this chair, Dad’s shirts on the other chair.”
- ✦ While sorting and folding clothes talk to your child about what they wore yesterday, what they are wearing today and what they might wear tomorrow. This will help your child understand that events take place in the past, present or future.



### Learning to Measure

- Have your child use fingers as measuring tools. Tell your children to find things in your home or yard that are the same **size** as their pinky finger.
- Compare the **weights** of canned goods and boxes on your kitchen shelves. Tell your child to hold one item in each hand and decide which is **lighter** and which is **heavier**.
- Show your child how to weigh produce on the scale at the grocery store. Add items then take them off and see how the scale changes. Guess how many items it will take to make one **pound**.
- Ask your child to lay out your shoes in a row and lay down beside them. See how many “feet” **tall** they are.
- Talk about measurement as you use it in daily life. For instance, say, “Let’s hang this picture six **inches** above the bookshelf in your room.” Show your child how you use a ruler and tape measure to determine the size of things around the house.



Rhode Island Early Learning Standards

★ Use the back of this card to chart your child’s height and weight... ➡